ANNEXURE – V

CENTRAL INSTITUTE OF FISHERIES EDUCATION
(Deemed University), Indian Council of Agricultural Research
Panch Marg, Off Yari Road, Versova, Andheri (West), Mumbai-400061
Tel. No. 022-26361446/7/8, Fax No. 022-26361573 Web Site : www.cife.edu.in

ANNUEXURE TO SCHEDULE TO TENDER
(To be returned by Bidders along with the Tender duly completed and Signed)

F. No. 36-45(1)/13-14/XIIth Plan-Equip/P/ **Item No. : 01**

Name of the Equipment : Rotary Evaporator **Quantity : 01**

Sr. No.	Detailed Specification
1	**Rotary Vacuum Flash Evaporator with Vertical Condenser** 4 Line alphanumeric Digital display with LCD Screen. Simultaneous display of R.P.M Actual & set Temperature. Motorized Lift arrangement for glass assembly. Lifting up/down indication should be displayed on screen, control up to 200mm. Geared Drive Unit for smooth speed rotation. R.P.M control from 20 to 200 R.P.M. Double walled water bath temperature with control from ambient to 100^0C. On/Off indication of water bath should be displayed on screen. Should accommodates evaporating flask from 100ml to 1000ml. Vertical glass condenser double coiled with three opening for vacuum & cooling. Power supply 230v AC, 50Hz.
2	**Rotary High Vacuum Pump.** Oil sealed, Air Cooled, V-Belt Driven & mounted on base plat with belt guard, superior quality electric motor of 0.25 H.P. Free air displacement 50 liter per minute. With Moisture Trap & Non Return Valve & Vacuum gauge with Regulator made of M.S. bar stock to prevent body leakages & back-flow of oil.
3	**Refrigerated Water Circulator** Outer MS Powder Coated, Inner water tank of rust proof S.S. Built in water circulating pump with cooling coil ensuring perfect cooling from 50C, to ambient, Digital temperature indicator cum controller for above Rotary Evaporator.

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F. No. 36-45(1)/13-14/XIIth Plan-Equip/P/ **Item No. : 01**

Name of the Equipment : Rotary Evaporator **Quantity : 01**

Technical Compliance Statement

S. No.	Specification asked for	Specification Offered
1	**Rotary Vacuum Flash Evaporator with Vertical Condenser** 4 Line alphanumeric Digital display with LCD Screen. Simultaneous display of R.P.M Actual & set Temperature. Motorized Lift arrangement for glass assembly. Lifting up/down indication should be displayed on screen, control up to 200mm. Geared Drive Unit for smooth speed rotation. R.P.M control from 20 to 200 R.P.M. Double walled water bath temperature with control from ambient to 100^{0}C. On/Off indication of water bath should be displayed on screen. Should accommodates evaporating flask from 100ml to 1000ml. Vertical glass condenser double coiled with three opening for vacuum & cooling. Power supply 230v AC, 50Hz.	
2	**Rotary High Vacuum Pump.** Oil sealed, Air Cooled, V-Belt Driven & mounted on base plat with belt guard, superior quality electric motor of 0.25 H.P. Free air displacement 50 liter per minute. With Moisture Trap & Non Return Valve & Vacuum gauge with Regulator made of M.S. bar stock to prevent body leakages & back-flow of oil.	
3	**Refrigerated Water Circulator** Outer MS Powder Coated, Inner water tank of rust proof S.S. Built in water circulating pump with cooling coil ensuring perfect cooling from 50C, to ambient, Digital temperature indicator cum controller for above Rotary Evaporator.	

Note:- Mark (YES) if specification offered is as per tender or better. If not, specify the specification offered.

An item-by-item commentary on the purchaser's Technical Specifications demonstrating substantial responsiveness of the goods and services to those specifications or a statement of deviations and exceptions to the provision of the Technical Specifications.

(Technical literature / brouchers / manuals should be attached along with this format)

Please Note:-

1. Compliance/Deviation statement comparing the specification of the quoted model to the required specifications. This statement should also give the last page of the technical literature where the relevant specification is mentioned.

2. Bids must have supporting documents (technical) literature of copies of relevant pages from the service manual or factory test (data) for the points noted above, failure regarding which may result in rejection of bid.

SIGNATURE WITH STAMP OF THE BIDDERS

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F. No. 36-45(5)/13-14/XIIth Plan-Equip/P/ **Item No. : 05**

Name of the Equipment : Theodolite **Quantity : 01**

Sr. No.	Detailed Specification
	Digital Theodolite Toper Model No. DT209 / 209P **OR** Equivalent

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F. No. 36-45(5)/13-14/XIIth Plan-Equip/P/ **Item No. : 05**

Name of the Equipment : Theodolite **Quantity : 01**

Technical Compliance Statement

S. No.	Specification asked for	Specification Offered
1	**Digital Theodolite** Toper Model No. DT209 / 209P **OR** Equivalent	

Note:- Mark (YES) if specification offered is as per tender or better. If not, specify the specification offered.

An item-by-item commentary on the purchaser's Technical Specifications demonstrating substantial responsiveness of the goods and services to those specifications or a statement of deviations and exceptions to the provision of the Technical Specifications.

(Technical literature / brouchers / manuals should be attached along with this format)

Please Note:-

1. Compliance/Deviation statement comparing the specification of the quoted model to the required specifications. This statement should also give the last page of the technical literature where the relevant specification is mentioned.

2. Bids must have supporting documents (technical) literature of copies of relevant pages from the service manual or factory test (data) for the points noted above, failure regarding which may result in rejection of bid.

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F. No. 36-45(6)/13-14/XIIth Plan-Equip/P/ **Item No. : 06**

Name of the Equipment : Water sampler for sampling of water at different depths **Quantity : 02**

Sr. No.	Detailed Specification
	Water sampler for sampling of water at different depths PVC/ 2.5 litter with messenger and extra weight (Sinker)

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F. No. 36-45(6)/13-14/XIIth Plan-Equip/P/ **Item No. : 06**

Name of the Equipment : Water Sampler for sampling of water at different depths **Quantity : 02**

Technical Compliance Statement

S. No.	Specification asked for	Specification Offered
1	Water sampler for sampling of water at different depths PVC/ 2.5 litter with messenger and extra weight (Sinker)	

Note:- Mark (YES) if specification offered is as per tender or better. If not, specify the specification offered.

An item-by-item commentary on the purchaser's Technical Specifications demonstrating substantial responsiveness of the goods and services to those specifications or a statement of deviations and exceptions to the provision of the Technical Specifications.

(Technical literature / brouchers / manuals should be attached along with this format)

Please Note:-

1. Compliance/Deviation statement comparing the specification of the quoted model to the required specifications. This statement should also give the last page of the technical literature where the relevant specification is mentioned.

2. Bids must have supporting documents (technical) literature of copies of relevant pages from the service manual or factory test (data) for the points noted above, failure regarding which may result in rejection of bid.

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F. No. 36-45(7)/13-14/XIIth Plan-Equip/P/ **Item No. : 07**

Name of the Equipment : Jackson Turbidity Meter **Quantity : 02**

Sr. No.	Detailed Specification
	Jackson Turbidity Meter with spares Turbidity meter "Jackson" with Indian Glass Tube, Stand and candle (Acc to American Public Health specification) Spares for (Jackson Turbidity Meter) a) Glaos Tube, Indian b) Candle, U.S.A. Make

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F. No. 36-45(7)/13-14/XIIth Plan-Equip/P/ **Item No. : 07**

Name of the Equipment : Jackson Turbidity Meter **Quantity : 02**

Technical Compliance Statement

S. No.	Specification asked for	Specification Offered
1	Jackson Turbidity Meter with spares Turbidity meter "Jackson" with Indian Glass Tube, Stand and candle (Acc to American Public Health specification) Spares for (Jackson Turbidity Meter) a) Glaos Tube, Indian b) Candle, U.S.A. Make	

Note:- Mark (YES) if specification offered is as per tender or better. If not, specify the specification offered.

An item-by-item commentary on the purchaser's Technical Specifications demonstrating substantial responsiveness of the goods and services to those specifications or a statement of deviations and exceptions to the provision of the Technical Specifications.

(Technical literature / brouchers / manuals should be attached along with this format)

Please Note:-

1. Compliance/Deviation statement comparing the specification of the quoted model to the required specifications. This statement should also give the last page of the technical literature where the relevant specification is mentioned.

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F. No. 36-45(10)/13-14/XIIth Plan-Equip/P/ **Item No. : 10**

Name of the Equipment : Flame Photometer **Quantity : 01**

Sr. No.	Detailed Specification
	Flame Photometer Range : 0-199.9ppm Na : 0.2ppm K : 0.2ppm Li : 0.25ppm Ca : 15ppm Ba : 30ppm

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F. No. 36-45(10)/13-14/XIIth Plan-Equip/P/ **Item No. : 10**

Name of the Equipment : Flame Photometer **Quantity : 01**

Technical Compliance Statement

S. No.	Specification asked for	Specification Offered
1	Flame Photometer Range : 0-199.9ppm Na : 0.2ppm K : 0.2ppm Li : 0.25ppm Ca : 15ppm Ba : 30ppm	

Note:- Mark (YES) if specification offered is as per tender or better. If not, specify the specification offered.

An item-by-item commentary on the purchaser's Technical Specifications demonstrating substantial responsiveness of the goods and services to those specifications or a statement of deviations and exceptions to the provision of the Technical Specifications.

(Technical literature / brouchers / manuals should be attached along with this format)

Please Note:-

1. Compliance/Deviation statement comparing the specification of the quoted model to the required specifications. This statement should also give the last page of the technical literature where the relevant specification is mentioned.

2. Bids must have supporting documents (technical) literature of copies of relevant pages from the service manual or factory test (data) for the points noted above, failure regarding which may result in rejection of bid.

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F. No. 36-45(11)/13-14/XIIth Plan-Equip/P/ **Item No. : 11**

Name of the Equipment : AV Aids **Quantity : 01**

Sr. No.	Detailed Specification
	AV Aids **1**. Professional side imaging Sonar / External GPS Combo with 360 Imaging: Hummingbird 1198c SI Combo with 360 Imaging Or Equivalent - Qty - 1 No. 1. Display Size - 10.4" Diagonal 2. Display Pixel Matrix - 600V x 800H 3. Display Type - 4:3 Colour TFT. 4. Display Colour / Grayscale - 65,000 Colours Dual Beam Plus / 360 Imaging. 5. Sonar Coverage - 200 khz / 20^0 @ -10db 83 khz /60^0 @ - 10db HD Side Imaging 6. Sonar Coverage - 455 khz / (2) 86^0 @ -10db 800 khz / (2) 55^0 @ - 10db 7. Sonar - 360 Imaging (As 360SSI). 8. Target Separation - 2.5 inches. 9. Power Out Put (RMS) - 1000 Watts (RMS). 10. Power Out Put (Peak to Peak) - 8000 Watts (Peak to Peak). 11. Temp - Included. 12. Speed - GPS Speed Included. 13. Backlight - Yes. 14. Water proof - Yes. 15. Mount - In-dash. 16. Unit Size - 13.1" W x 9.3" H x 2.9" D 17. Transducer- Std - XHS-9-HDSI-180-T. 18. Transducer Mounting - Transom. 19. Power Input - 10-20 VDC. 20. Power Draw - Lights on : 1.4 Amps.
	2. All in One High end Desktop Computer with graphic Card : SONY VAIO L Series 24 Touch Desktop (SVL24147CXB) Or Equivalent Qty - 1 No.

	A) Processor • Processor Type - Intel® Core™ Core i7-3630QM • Processor Cache - 6MB. • Processor Speed - 2.40GHz[1] with Intel ® Turbo Boost Technology up to 3.40GHz. • Processor Technology - Quad Core. **B) Software** • Operating System - Genuine Windows 8 64 bit. • Supplied Software - Microsoft® Office trial, VAIO Care ™ Play Memories Home™, Art Rage® Studio. • Sony Imagination Studio™ VAIO Edition - Movie Studio Platinum, ACID® Music Studio, Sound Forge®, Audio & DVD Architect™ Studio. • Anti-Virus Software - Kaspersky™ Internet Security 30-days trial Offer. **C) Audio** • Sound System - Intel® High Definition Audio with S-FORCE™ Front Surround 3D powered by S-MASTER. • Colour - Black. **D) Display** • Display Technology - Full HD. • Screen Size - 24.0" (diag). • Resolution - 1920 x 1080 • Touch Technology - Capacitive Touch screen. • Backlight Technology - LED. **E) Environmental Information** • ROHS® - Compliant. • EPEAT™ - Silver. • Energy Star® - 5.1 **F) General** • Action Buttons - VAIO, ASSIST, WEB,TV. **G) Graphics** • Max. Resolution HDMI - 1920 x 1080 • Graphics Video RAM - 2GB dedicated. • TV Tuner - VAIO® Powered by BRAVIA® TV (NTSC/TSC Hybrid TV Tuner). • Graphics Processor - NVIDIA® GeForce® GT 620M **H) Hardware** • 10-Key numeric Pad- Yes • Camera - 1.0 MP HD Web Camera Powered by Exmor R® for PC & microphone . • Keyboard - Wireless QWERTY, 103 keys with 2.0 mm stroke & 19.05mm pitch. **I) Inputs & Outputs** • Memory Stick + Secure Digital - 1. • USB 2.0 - 2+1 (Change) • HDMI® Outputs - 1 • Microphone Input - 1. • DC-in - 1 • RF Connection Inputs-1 • A/V Inputs - 1 • USB 3.0 - 3 • HDMI® Input - 1 • Headphone Output - 1 **J) Memory** • Installed Memory - 8 GB (4GB x 2) • Max. Memory - 16GB • Memory Type / Speed - DDR3/1600MHz **K) Optical Drive** • Optical Drive Support - CD/DVD- Read / Write. • Optical Drive Support - Blu-ray Disc™ - Read (BDXL) / Write (BDXL) • Optical Drive Type - Slot Loading Blu-ray Disc™ BDXL Player / Burner.

	L) Regulation & Standards Compliance • VESA® Hole Spacing Compatible - Yes. • VESA® Hole Pitch - 100 x 100mm **M) Service & Warranty Information** • Onsite Service- Yes • International Service - Yes • Warranty terms - 3 Years. **N) Storage** • Storage Technology - 7200rpm • Storage Capacity - 2TB • Storage Type - Serial ATA **O) Wireless / Networking** • Ethernet Protocol - 1000BASE-T/100BASE-TX/10BASE-T • Bluetooth® Technology - Bluetooth Std (4.0 +HS) • Wi-Fi Adapter - Atheros® WB225 (802.11b/g/n)
	3. Video Editing Software Solution- Pinnacle Studio 16 Ultimate for Window based Desk top - 10 user license Pack**.** **A) Input Options** • Capture from DV, HDV & Digital 8 Camcorders or VCRs (requires Fire Wire® port). • Capture from analog camcorders, 8 mm, HI 8, VHS, SVHS, VHS-C,SVHS-C, or VCRs (NTSC/PAL/SECAM) (requires Pinnacle or Dazzle® video hardware. • Import from AVCHD™® & other file based camcorders, digital still cameras, mobile devices & webcams. **B) Import Formats** • Video - MVC*, AVCHD™®,BD Blu-ray™®, DV, HDV, AVI,MPEG-1/-2/-4*, DivX®*, Flash®, 3GP (MPEG-4, H.263)*, WMV, non-encrypted DVD titles (incl. DVD-VR/+VR), Quick Time® (DV, MJPEG, MPEG-4*, H.264*), DivX Plus® MKV*. • Audio - MP3, MPA, A4A*, WAV, AMR*, AC3*, AAC*, Vorbis, WMA • Graphic - MPO, JPS, BMP. GIF, JPG, PCX, PSD, TGA, TIF, WMF, PNG, J2K. **C) Export Formats** • AVCHD ™®, BD Blu-ray™®, DVD(DVD-RW,DVD+R or DVD+RW,Dual layer) 3D, DVD, AVCHD™®, AVCHD2 (incl. MVC)*, Blu-ray™* • Apple® iPod /iPhone® / iPad® /TV, Sony® PSP® / PS3™, Ninetendo® Wii™,Microsoft® Xbox® compatible formats* • DV,HDV,AVI,DivX*, Real Video® 8, WMV, MPEG-1/-2/-4*, Flash®, 3GP*, WAV, MP2, MP3*, MP4*, Quick Time®, H.264*, DivX Plus MKV*, JPEG, TIF, TGA,BMP,3D: MVC*, AVCHD™*, MPEG-4*, DivX Plus*, MJPEG. • Dolby® Digital 2-Channel & 5.1-Channel* audio. **D) System Requirement** • Window®8, Window®7, Window®, Vista® (SP2) (64-bit OS recommended) • Intel® Core™ Duo 1.8GHz, Core™i3 or AMD® Athlon™ 64 x 2 3800+2.0 GHz or higher, Intel® Core™2 duo 2.66 GHz, Intel® Core™i5 or i7 1.06 GHz or higher required for AVCHD™* stereoscopic 3D* & Intel® Quick Sync Video support. • 2GB of RAM or higher, min 4 GB for Window® 64-bit (strongly recommended for stereoscopic 3D). • DirectX® 9 (or higher) graphic device with Pixel Shader 3.0 support such as: ***** NVIDIA® GeForce® 6 series or higher (CUDA™ enabled required for CUDA™ support). * ATI™X1000 series or higher. * Intel® GMA X3000 series or higher. * 128 MB VGA VRAM, 256 MB or higher recommended, required for AVCHD™*, stereoscopic 3D & CUDA™ • Display resolution - 1024 x 600 or higher. • Window - Compatible sound card (multi-channel output required for surround preview*). • 4.5 GB HDD space for installation. • DVD-ROM for installation (box version only) • Internet connection required for online activation & cloud or online services.

ANNEXURE – VI

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F. No. 36-45(11)/13-14/XIIth Plan-Equip/P/ **Item No. : 11**

Name of the Equipment : AV Aids **Quantity : 01**

Technical Compliance Statement

S. No.	Specification asked for	Specification Offered
1	AV Aids **A**. Professional side imaging Sonar / External GPS Combo with 360 Imaging: Hummingbird 1198c SI Combo with 360 Imaging Or Equivalent - Qty - 1 No. 1. Display Size - 10.4" Diagonal 2. Display Pixel Matrix - 600V x 800H 3. Display Type - 4:3 Colour TFT. 4. Display Colour / Grayscale - 65,000 Colours Dual Beam Plus / 360 Imaging. 5. Sonar Coverage - 200 khz / 20^0 @ -10db 83 khz /60^0 @ - 10db HD Side Imaging 6. Sonar Coverage - 455 khz / (2) 86^0 @ -10db 800 khz / (2) 55^0 @ - 10db 7. Sonar - 360 Imaging (As 360SSI). 8. Target Separation - 2.5 inches. 9. Power Out Put (RMS) - 1000 Watts (RMS). 10. Power Out Put (Peak to Peak) - 8000 Watts (Peak to Peak). 11. Temp - Included. 12. Speed - GPS Speed Included. 13. Backlight - Yes. 14. Water proof - Yes. 15. Mount - In-dash. 16. Unit Size - 13.1" W x 9.3" H x 2.9" D 17. Transducer- Std - XHS-9-HDSI-180-T. 18. Transducer Mounting - Transom. 19. Power Input - 10-20 VDC.	

	20. Power Draw - Lights on : 1.4 Amps.	
	B. All in One High end Desktop Computer with graphic Card : SONY VAIO L Series 24 Touch Desktop (SVL24147CXB) Or Equivalent Qty - 1 No.	
	A) Processor • Processor Type - Intel® Core™ Core i7-3630QM • Processor Cache - 6MB. • Processor Speed - 2.40GHz[1] with Intel ® Turbo Boost Technology up to 3.40GHz. • Processor Technology - Quad Core. **B) Software** • Operating System - Genuine Windows 8 64 bit. • Supplied Software - Microsoft® Office trial, VAIO Care ™ Play Memories Home™, Art Rage® Studio. • Sony Imagination Studio™ VAIO Edition - Movie Studio Platinum, ACID® Music Studio, Sound Forge®, Audio & DVD Architect™ Studio. • Anti-Virus Software - Kaspersky™ Internet Security 30-days trial Offer. **C) Audio** • Sound System - Intel® High Definition Audio with S-FORCE™ Front Surround 3D powered by S-MASTER. • Colour - Black. **D) Display** • Display Technology - Full HD. • Screen Size - 24.0" (diag). • Resolution - 1920 x 1080 • Touch Technology - Capacitive Touch screen. • Backlight Technology - LED. **E) Environmental Information** • ROHS® - Compliant. • EPEAT™ - Silver. • Energy Star® - 5.1 **F) General** • Action Buttons - VAIO, ASSIST, WEB,TV. **G) Graphics** • Max. Resolution HDMI - 1920 x 1080 • Graphics Video RAM - 2GB dedicated. • TV Tuner - VAIO® Powered by BRAVIA® TV (NTSC/TSC Hybrid TV Tuner). • Graphics Processor - NVIDIA® GeForce® GT 620M **H) Hardware** • 10-Key numeric Pad- Yes • Camera - 1.0 MP HD Web Camera Powered by Exmor R® for PC & microphone . • Keyboard - Wireless QWERTY, 103 keys with 2.0 mm stroke & 19.05mm pitch. **I) Inputs & Outputs** • Memory Stick + Secure Digital - 1. • USB 2.0 - 2+1 (Change) • HDMI® Outputs - 1 • Microphone Input - 1. • DC-in - 1 • RF Connection Inputs-1 • A/V Inputs - 1	

	• USB 3.0 - 3 • HDMI® Input - 1 • Headphone Output - 1 **J) Memory** • Installed Memory - 8 GB (4GB x 2) • Max. Memory - 16GB • Memory Type / Speed - DDR3/1600MHz **K) Optical Drive** • Optical Drive Support - CD/DVD- Read / Write. • Optical Drive Support - Blu-ray Disc™ - Read (BDXL) / Write (BDXL) • Optical Drive Type - Slot Loading Blu-ray Disc™ BDXL Player / Burner. **L) Regulation & Standards Compliance** • VESA® Hole Spacing Compatible - Yes. • VESA® Hole Pitch - 100 x 100mm **M) Service & Warranty Information** • Onsite Service- Yes • International Service - Yes • Warranty terms - 3 Years. **N) Storage** • Storage Technology - 7200rpm • Storage Capacity - 2TB • Storage Type - Serial ATA **O) Wireless / Networking** • Ethernet Protocol - 1000BASE-T/100BASE-TX/10BASE-T • Bluetooth® Technology - Bluetooth Std (4.0 +HS) • Wi-Fi Adapter - Atheros® WB225 (802.11b/g/n)	
	3. Video Editing Software Solution- Pinnacle Studio 16 Ultimate for Window based Desk top - 10 user license Pack. **A) Input Options** • Capture from DV, HDV & Digital 8 Camcorders or VCRs (requires Fire Wire® port). • Capture from analog camcorders, 8 mm, HI 8, VHS, SVHS, VHS-C,SVHS-C, or VCRs (NTSC/PAL/SECAM) (requires Pinnacle or Dazzle® video hardware. • Import from AVCHD™® & other file based camcorders, digital still cameras, mobile devices & webcams. **B) Import Formats** • Video - MVC*, AVCHD™®,BD Blu-ray™®, DV, HDV, AVI,MPEG-1/-2/-4*, DivX®*, Flash®, 3GP (MPEG-4, H.263)*, WMV, non-encrypted DVD titles (incl. DVD-VR/+VR), Quick Time® (DV, MJPEG, MPEG-4*, H.264*), DivX Plus® MKV*. • Audio - MP3, MPA, A4A*, WAV, AMR*, AC3*, AAC*, Vorbis, WMA • Graphic - MPO, JPS, BMP. GIF, JPG, PCX, PSD, TGA, TIF, WMF, PNG, J2K. **C) Export Formats** • AVCHD ™®, BD Blu-ray™®, DVD(DVD-RW,DVD+R or DVD+RW,Dual layer) 3D, DVD, AVCHD™®, AVCHD2 (incl. MVC)*, Blu-ray™* • Apple® iPod /iPhone® / iPad® /TV, Sony® PSP® / PS3™, Ninetendo® Wii™,Microsoft® Xbox® compatible formats* • DV,HDV,AVI,DivX*, Real Video® 8, WMV, MPEG-1/-2/-4*,	

	Flash®, 3GP*, WAV, MP2, MP3*, MP4*, Quick Time®, H.264*, DivX Plus MKV*, JPEG, TIF, TGA,BMP,3D: MVC*, AVCHD™*, MPEG-4*, DivX Plus*, MJPEG. • Dolby® Digital 2-Channel & 5.1-Channel* audio. **D) System Requirement** • Window®8, Window®7, Window®, Vista® (SP2) (64-bit OS recommended) • Intel® Core™ Duo 1.8GHz, Core™i3 or AMD® Athlon™ 64 x 2 3800+2.0 GHz or higher, Intel® Core™2 duo 2.66 GHz, Intel® Core™i5 or i7 1.06 GHz or higher required for AVCHD™* stereoscopic 3D* & Intel® Quick Sync Video support. • 2GB of RAM or higher, min 4 GB for Window® 64-bit (strongly recommended for stereoscopic 3D). • DirectX® 9 (or higher) graphic device with Pixel Shader 3.0 support such as: ***** NVIDIA® GeForce® 6 series or higher (CUDA™ enabled required for CUDA™ support). * ATI™X1000 series or higher. * Intel® GMA X3000 series or higher. * 128 MB VGA VRAM, 256 MB or higher recommended, required for AVCHD™*, stereoscopic 3D & CUDA™ • Display resolution - 1024 x 600 or higher. • Window - Compatible sound card (multi-channel output required for surround preview*). • 4.5 GB HDD space for installation. • DVD-ROM for installation (box version only). • Internet connection required for online activation & cloud or online services.	

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An item-by-item commentary on the purchaser's Technical Specifications demonstrating substantial responsiveness of the goods and services to those specifications or a statement of deviations and exceptions to the provision of the Technical Specifications.

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CENTRAL INSTITUTE OF FISHERIES EDUCATION

(Deemed University), Indian Council of Agricultural Research

Panch Marg, Off Yari Road, Versova, Andheri (West), Mumbai-400061

Tel. No. 022-26361446/7/8, Fax No. 022-26361573 Web Site : www.cife.edu.in

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(To be returned by Bidders along with the Tender duly completed and Signed)

F. No. 36-45(14)/13-14/XIIth Plan-Equip/P/ **Item No. : 14**

Name of the Equipment : Power Stabilizer **Quantity : 02**

Sr. No.	Detailed Specification
	Power Stabilizer Single phase servo controlled voltage stabilizer with following specifications : Capacity :- 20 kVA Input :- 180 V to 270 V AC Output :- 230 V ± 1% (Variable 5%) Cooling :- Air cooled Voltage :- ±1 Duty cycle :- Continuous Frequency :- 47 – 53 Hz Waveform :- distortion Nil Ambient :- 0 to 45° C Environment :- Designed for indoor tropical use Mounting :- Free on wheel

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F. No. 36-45(14)/13-14/XIIth Plan-Equip/P/ **Item No. : 14**

Name of the Equipment : Power Stabilizer **Quantity : 02**

Technical Compliance Statement

S. No.	Specification asked for	Specification Offered
1	Nephalometer Single phase servo controlled voltage stabilizer with following specifications : Capacity :- 20 kVA Input :- 180 V to 270 V AC Output :- 230 V ± 1% (Variable 5%) Cooling :- Air cooled Voltage :- ±1 Duty cycle :- Continuous Frequency :- 47 – 53 Hz Waveform :- distortion Nil Ambient :- 0 to 45° C Environment :- Designed for indoor tropical use Mounting :- Free on wheel	

Note:- Mark (YES) if specification offered is as per tender or better. If not, specify the specification offered.

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F. No. 36-45(16)/13-14/XIIth Plan-Equip/P/ **Item No. : 16**

Name of the Equipment : Refrigerated Centrifuge **Quantity : 01**

Sr. No.	Detailed Specification
	Refrigerated Centrifuge Speed : 14000rpm (16000 g) Temperature : 0^{o}C- Ambient Rotor : 18 spot X 1.5 & 2 ml Acceleration time : 15 sec Braking time : 15 sec Short spin button : Required Noise level : <50 dB Power : 230V (50-60Hz) Lid : Automatic opening upon completion & aerosol tight Weight without rotor & dimensions :<25Kg; 12X12 inches (WXH) Drain : Required to remove water condensed from the rotor

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F. No. 36-45(16)/13-14/XIIth Plan-Equip/P/ **Item No. : 16**

Name of the Equipment : Refrigerated Centrifuge **Quantity : 01**

Technical Compliance Statement

S. No.	Specification asked for	Specification Offered
	Refrigerated Centrifuge Speed : 14000rpm (16000 g) Temperature : 0^{o}C- Ambient Rotor : 18 spotX1.5 & 2 ml Acceleration time : 15 sec Braking time : 15 sec Short spin button : Required Noise level : <50 dB Power : 230V (50-60Hz) Lid : Automatic opening upon completion & aerosol tight Weight without rotor & dimensions :<25Kg; 12X12 inches (WXH) Drain : Required to remove water condensed from the rotor	

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F. No. 36-45(18)/13-14/XIIth Plan-Equip/P/ **Item No. : 18**

Name of the Equipment : Digital Water Activity Meter **Quantity : 01**

Sr. No.	Detailed Specification
	Digital Water Activity Meter Measuring range:0.03 to 1.00 aw Accuracy range : + /-0.010 aw Mains supply : 5 VDC +/- 6% Max. power Requirement " 4W Display: Reflective, high contrast LCD-display

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F. No. 36-45(18)/13-14/XIIth Plan-Equip/P/ **Item No. : 18**

Name of the Equipment : Digital Water Activity Meter **Quantity : 01**

Technical Compliance Statement

S. No.	Specification asked for	Specification Offered
1	Digital Water Activity Meter Measuring range:0.03 to 1.00 aw Accuracy range : + /-0.010 aw Mains supply : 5 VDC +/- 6% Max. power Requirement " 4W Display: Reflective, high contrast LCD-display	

Note:- Mark (YES) if specification offered is as per tender or better. If not, specify the specification offered.

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F. No. 36-45(20)/13-14/XIIth Plan-Equip/P/ **Item No. : 20**

Name of the Equipment : Gel Documentation System **Quantity : 01**

Sr. No.	Detailed Specification
	Gel Documentation System The System should be able to image fluorescent DNA, RNA and protein gels, colorimetric gels & blots and colony arrays. It should be equipped with appropriate software for gel analysis. 1. High resolution CCD camera : 16 bit Scientific Grade CCD camera; ~ 3.8 mega pixel resolution with 2176x1760 pixel array. 2. Motorized control for zoom with numerical feedback and software acquisition preset integrated into an intuitive and easy to use interface; adjustable aperture f/1.2. 3. Light tight darkroom with software controlled illumination to view DNA gels stained with stains such as Gel screen, SYBR safe dyes and SYBR Green. 4.UV and white light source : 302 nm illumination source having 20 x 20 cm Tran- illumination area with White Light Converter screen for viewing protein gels 5. Software for imaging and analyzing 1-D Electrophoretic gels, dot blots, slot blots, and colony counts. 6. Software should be able to do the following. • Quantitate and analyze a variety of data •Image annotation, enhancement and • Image sharpening and smoothing • Image invert • Effective pixel image output to increase image resolution for publication purpose . • Rapid molecular weight determinations with comparative dendrogram creation.

	• Background subtraction correction of gradient gels. • Annotation tools to add text and lines. • 3 D viewer for critical analysis of closely spaced bands. • Molecular weight determination, Volume overlays, Text and line overlays. Export image in range of formats (TIF, BMP, JPEG) 7. Dynamic range should be more than 3 order of magnitude. 8. A Branded Work Station- Laptop with dual core Processor, (hp/Dell/apple) 2GB RAM, 250 GB HDD, DVD R/W Drive, with 17" TFT , Windows XP Pro, compatible for running the 1-D software 9. Online UPS (1 KVA) of reputed brand. 10. Compatible desktop for dedicated software and image data storage.

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F. No. 36-45(20)/13-14/XIIth Plan-Equip/P/ **Item No. : 20**

Name of the Equipment : Gel Documentation System **Quantity : 01**

Technical Compliance Statement

S. No.	Specification asked for	Specification Offered
1	Gel Documentation System The System should be able to image fluorescent DNA, RNA and protein gels, colorimetric gels & blots and colony arrays. It should be equipped with appropriate software for gel analysis. 1. High resolution CCD camera : 16 bit Scientific Grade CCD camera; ~ 3.8 mega pixel resolution with 2176x1760 pixel array. 2. Motorized control for zoom with numerical feedback and software acquisition preset integrated into an intuitive and easy to use interface; adjustable aperture f/1.2. 3. Light tight darkroom with software controlled illumination to view DNA gels stained with stains such as Gel screen, SYBR safe dyes and SYBR Green. 4.UV and white light source : 302 nm illumination source having 20 x 20 cm Tran- illumination area with White Light Converter screen for viewing protein gels 5. Software for imaging and analyzing 1-D Electrophoretic gels, dot blots, slot blots, and colony counts. 6. Software should be able to do the following. • Quantitate and analyze a variety of data • Image annotation, enhancement and • Image sharpening and smoothing • Image invert • Effective pixel image output to increase image resolution for publication purpose . • Rapid molecular weight determinations with comparative dendrogram creation.	

	• Background subtraction correction of gradient gels. • Annotation tools to add text and lines. • 3 D viewer for critical analysis of closely spaced bands. • Molecular weight determination, Volume overlays, Text and line overlays. Export image in range of formats (TIF, BMP, JPEG) 7. Dynamic range should be more than 3 order of magnitude. 8. A Branded Work Station- Laptop with dual core Processor, (hp/Dell/apple) 2GB RAM, 250 GB HDD, DVD R/W Drive, with 17" TFT, Windows XP Pro, compatible for running the 1-D software 9. Online UPS (1 KVA) of reputed brand. 10. Compatible desktop for dedicated software and image data storage.	

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F. No. 36-45(24)/13-14/XIIth Plan-Equip/P/ **Item No. : 24**

Name of the Equipment : Sieves for soil Texture Analysis **Quantity : 02**

Sr. No.	Detailed Specification
	Sieves for soil texture Analysis Test Sieves for Soil Composition 2000 micron to2 micron

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F. No. 36-45(24)/13-14/XIIth Plan-Equip/P/ **Item No. : 24**

Name of the Equipment : Sieves for soil Texture Analysis **Quantity : 02**

Technical Compliance Statement

S. No.	Specification asked for	Specification Offered
1	Sieves for soil texture Analysis Test Sieves for Soil Composition 2000 micron to2 micron	

Note:- Mark (YES) if specification offered is as per tender or better. If not, specify the specification offered.

An item-by-item commentary on the purchaser's Technical Specifications demonstrating substantial responsiveness of the goods and services to those specifications or a statement of deviations and exceptions to the provision of the Technical Specifications.

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Note:- The Rates may be quoted for delivery, installation & Demonstration at CIFE, Powerkheda Centre, Hoshangabad, Madhya Pradesh (India), Powerkheda-461 110.

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F. No. 36-45(28)/13-14/XIIth Plan-Equip/P/ **Item No. : 28**

Name of the Equipment : Paddle Wheel Aerators **Quantity : 04**

Sr. No.	Detailed Specification
	Paddle Wheel Aerator 2 HP Aerator Pump 8 blades 2 meter shaft

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F. No. 36-45(28)/13-14/XIIth Plan-Equip/P/ **Item No. : 28**

Name of the Equipment : Paddle Wheel Aerator **Quantity : 04**

Technical Compliance Statement

S. No.	Specification asked for	Specification Offered
1	Paddle Wheel Aerator 2 HP Aerator Pump 8 blades 2 meter shaft	

Note:- Mark (YES) if specification offered is as per tender or better. If not, specify the specification offered.

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F. No. 36-45(36)/13-14/XIIth Plan-Equip/P/ **Item No. : 36**

Name of the Equipment : Rapid Sand Filter **Quantity : 01**

Sr. No.	Detailed Specification
	Rapid Sand Filter 500-1000 ltrs /min

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F. No. 36-45(36)/13-14/XIIth Plan-Equip/P/ **Item No. : 36**

Name of the Equipment : Rapid Sand Filters **Quantity : 01**

Technical Compliance Statement

S. No.	Specification asked for	Specification Offered
1	Rapid Sand Filters 500-1000 ltrs / min	

Note:- Mark (YES) if specification offered is as per tender or better. If not, specify the specification offered.

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F. No. 36-45(37)/13-14/XIIth Plan-Equip/P/ **Item No. : 37**

Name of the Equipment : HP Blower **Quantity : 01**

Sr. No.	Detailed Specification
	10 HP Blower Vertical Air Blower 10 HP Capacity

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F. No. 36-45(37)/13-14/XIIth Plan-Equip/P/ **Item No. : 37**

Name of the Equipment : HP Blower **Quantity : 01**

Technical Compliance Statement

S. No.	Specification asked for	Specification Offered
1	10 HP Blower Vertical Air Blower 10 HP Capacity	

Note:- Mark (YES) if specification offered is as per tender or better. If not, specify the specification offered.

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F. No. 36-45(39)/13-14/XIIth Plan-Equip/P/ **Item No. : 39**

Name of the Equipment : Hybridization Oven **Quantity : 01**

Sr. No.	Detailed Specification
	Hybridization Oven Hybridization oven provides uniform temperature and rotation controls for thorough mixing of materials **SPECIFICATION:** 1. Variable speed control (10 to 15 rpm or more) 2. Microprocessor accurately controls temperature 3. Large LED displays the current temperature inside the chamber 4. Temperature range: ambient 10 0C to 99.9 0C. 5. Temperature control accuracy: ±0.2 - 0.5ºC or better 6. Shaking method: seesaw/bottle rotary/tube inversion 7. Shaking speed: rotary wheel variable speed: 10 to 15 rpm or more; orbital tray speed: 1-30 rpm. 8. Shaking rack/rocker plate dimension: 240 mm x 210 mm or more. 9. Timer: ON/OFF (1-100 Hour) 10. Heater: Compatible (preferable higher watt >500 W) 11. Dimension: (WIDTH and HEIGHT: more than 400 mm DEPTH: more than 350 mm). 12. Fuse, fail safe for heater overheat, motor overload stop, electric circuit protection for overvoltage/ over current (power shut off), self- diagnosis for error of thermoregulatory, sensor error display. 13. Humidity: 30 ~ 85% (No condensation) 14. System of removal of rotary wheel and replaced with rocker plate.

	15. Power supply: 220-230V. 16. Unit should be CE or FDA certified. 17. The supplier should have good numbers of installation bases in Kolkata. 18. Suppliers' should have good after sales service support in Kolkata with proven track record.

ANNEXURE – VI

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Tel. No. 022-26361446/7/8, Fax No. 022-26361573 Web Site : www.cife.edu.in

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F. No. 36-45(39)/13-14/XIIth Plan-Equip/P/ **Item No. : 39**

Name of the Equipment : Hybridization Oven **Quantity : 01**

Technical Compliance Statement

S. No.	Specification asked for	Specification Offered
1	Hybridization Oven Hybridization oven provides uniform temperature and rotation controls for thorough mixing of materials **SPECIFICATION:** 1. Variable speed control (10 to 15 rpm or more) 2. Microprocessor accurately controls temperature 3. Large LED displays the current temperature inside the chamber 4. Temperature range: ambient 10 0C to 99.9 0C. 5. Temperature control accuracy: ±0.2 - 0.5ºC or better 6. Shaking method: seesaw/bottle rotary/tube inversion 7. Shaking speed: rotary wheel variable speed: 10 to 15 rpm or more; orbital tray speed: 1-30 rpm. 8. Shaking rack/rocker plate dimension: 240 mm x 210 mm or more. 9. Timer: ON/OFF (1-100 Hour) 10. Heater: Compatible (preferable higher watt >500 W) 11. Dimension: (WIDTH and HEIGHT: more than 400 mm DEPTH: more than 350 mm). 12. Fuse, fail safe for heater overheat, motor overload stop, electric circuit protection for overvoltage/ over current (power shut off), self-diagnosis for error of thermoregulatory, sensor error display.	

	13. Humidity: 30 ~ 85% (No condensation). 14. System of removal of rotary wheel and replaced with rocker plate. 15. Power supply: 220-230V. 16. Unit should be CE or FDA certified. 17. The supplier should have good numbers of installation bases in Kolkata. 18. Suppliers' should have good after sales service support in Kolkata with proven track record.	

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An item-by-item commentary on the purchaser's Technical Specifications demonstrating substantial responsiveness of the goods and services to those specifications or a statement of deviations and exceptions to the provision of the Technical Specifications.

(Technical literature / brouchers / manuals should be attached along with this format)

Please Note:-

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2. Bids must have supporting documents (technical) literature of copies of relevant pages from the service manual or factory test (data) for the points noted above, failure regarding which may result in rejection of bid.

Note:- The Rates may be quoted for delivery, installation & Demonstration at CIFE , Kolkata Centre, 32-GN Block, Sector-V, Salt Lake City, Kolkata-700 091.

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F. No. 36-45(49)/13-14/XIIth Plan-Equip/P/ **Item No. : 49**

Name of the Equipment : Bench Top Centrifuge **Quantity : 01**

Sr. No.	Detailed Specification
	Bench Top Centrifuge 1. RPM : Maximum speed: at least 15000 rpm in increment of 50 rpm/ at least 16000 g 2. Relative centrifugal force (rcf): 21130 x g 3. Temperature range must be -10^{0}C to 40^{0}C 4. Must have aerosol tight rotor for 24 x 1.5ml tubes with adapter for 0.2ml tube 5. Rotor lid must be of metal (not polypropylene or carbon) 6. Must be microprocessor controlled 7. Must have dynamic compressor control and eco shut-off function 8. Must have fast temp function for quick pre-cooling of the centrifuge within 10 min from 21^{0}C to 4^{0}C. 9. Must be able to maintain 4^{0}C at maximum speed. 10. Must have condensation drain within the chamber 11. Noise level must be ≤50dB 12. Foot print: (WxDxH): 29x48x26cm to 48 x 59 x 53 cm. 13. Timer : 30s to 9:59h with continuous mode 14. Must have Soft brake function for delicate sample 15. Power consumption should be ≤350W Following rotors must be quoted optionally: 17. Rotor for 18xspin column, PCR strip rotor (4x 8-strips). 18. Unit should be CE or FDA certified. 19. Minimum 1 year warranty.

	20.The supplier should have good numbers of installation bases in Kolkata. 21. Suppliers' should have good after sales service support in Kolkata with proven track record.

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F. No. 36-45(49)/13-14/XIIth Plan-Equip/P/ **Item No. : 49**

Name of the Equipment : Bench Top Centrifuge **Quantity : 01**

Technical Compliance Statement

S. No.	Specification asked for	Specification Offered
1	Bench Top Centrifuge 1. RPM : Maximum speed: at least 15000 rpm in increment of 50 rpm/ at least 16000 g 2. Relative centrifugal force (rcf): 21130 x g 3. Temperature range must be -10^{0}C to 40^{0}C 4. Must have aerosol tight rotor for 24 x 1.5ml tubes with adapter for 0.2ml tube 5. Rotor lid must be of metal (not polypropylene or carbon) 6. Must be microprocessor controlled 7. Must have dynamic compressor control and eco shut-off function 8. Must have fast temp function for quick pre-cooling of the centrifuge within 10 min from 21^{0}C to 4^{0}C. 9. Must be able to maintain 4^{0}C at maximum speed. 10. Must have condensation drain within the chamber 11. Noise level must be ≤50dB 12. Foot print: (WxDxH): 29x48x26cm to 48 x 59 x 53 cm. 13. Timer : 30s to 9:59h with continuous mode 14. Must have Soft brake function for delicate sample 15. Power consumption should be ≤350W Following rotors must be quoted optionally: 17. Rotor for 18xspin column, PCR strip rotor (4x 8-strips). 18. Unit should be CE or FDA certified.	

	19. Minimum 1 year warranty. 20.The supplier should have good numbers of installation bases in Kolkata. 21. Suppliers' should have good after sales service support in Kolkata with proven track record.	

Note:- Mark (YES) if specification offered is as per tender or better. If not, specify the specification offered.

An item-by-item commentary on the purchaser's Technical Specifications demonstrating substantial responsiveness of the goods and services to those specifications or a statement of deviations and exceptions to the provision of the Technical Specifications.

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F. No. 36-45(50)/13-14/XIIth Plan-Equip/P/ **Item No. : 50**

Name of the Equipment : Incubator (Low Temp.) **Quantity : 01**

Sr. No.	Detailed Specification
	Incubator (Low Temp.) 1. Temp. Range: 5 ºC ~ +60ºC 2. Temp. Control accuracy: + 0.05ºC or better. 3. Temp. Sensor : More sensitive thermocouple sensor at least of PT 100 senor or better. 4. Temp. Control: Microprocessor based control; 5. Temp. Setting & display: Membrane type keyboard with LED digital display for process and setting values with visual and/or audio alarm for temp. over/under shoot.. 6. Heater wattage: 700W or more 7. Refrigeration system : Air cooled rotary compressor R22 refrigerant or CFC free system with compressor 200W or better 8. Air/gas purging : Unit provided with port for introduction of air or gas purging through filter 9. Program: Up to 3 temp/time program 10. Program timer: Different hour and minutes 11. Safety features: Error coded alarm (for input error, sensor fault, heater fault, power failure, door open, upper/lower temp) and cut outs, breaker for excess & leakage current, compressor overload/ over pressure cutout, overheat protection 12. Defrost: Auto/Manual 13. Internal Body Material: Anti-bacterial Stainless steel (304 grade) 14. External Body material: Stainless steel – 304 grade (standard Model) 15. Shelves: Standard 2 to 3 nos., at least 10-15kg/ shelf, Chamber

	16. Electric Supply: 220 V preferably single phases. 17. Capacity: 150 liters or more 18. Warranty: Minimum 1 years. 19. Unit should be CE or FDA certified 20. The supplier should have good numbers of installation bases in Kolkata. 21. Suppliers' should have good after sales service support in Kolkata with proven track record.

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F. No. 36-45(50)/13-14/XIIth Plan-Equip/P/ **Item No. : 50**

Name of the Equipment : Incubator (Low Temp.) **Quantity : 01**

Technical Compliance Statement

S. No.	Specification asked for	Specification Offered
1	Incubator (Low Temp.) Temp. Range: 5 ºC ~ +60ºC 2. Temp. Control accuracy: + 0.05ºC or better. 3. Temp. Sensor : More sensitive thermocouple sensor at least of PT 100 senor or better. 4. Temp. Control: Microprocessor based control; 5. Temp. Setting & display: Membrane type keyboard with LED digital display for process and setting values with visual and/or audio alarm for temp. over/under shoot.. 6. Heater wattage: 700W or more 7. Refrigeration system : Air cooled rotary compressor R22 refrigerant or CFC free system with compressor 200W or better 8. Air/gas purging : Unit provided with port for introduction of air or gas purging through filter 9. Program: Up to 3 temp/time program 10. Program timer: Different hour and minutes 11. Safety features: Error coded alarm (for input error, sensor fault, heater fault, power failure, door open, upper/lower temp) and cut outs, breaker for excess & leakage current, compressor overload/ over pressure cutout, overheat protection 12. Defrost: Auto/Manual 13. Internal Body Material: Anti-bacterial Stainless steel (304 grade)	

	14. External Body material: Stainless steel – 304 grade (standard Model). 15. Shelves: Standard 2 to 3 nos., at least 10-15kg/ shelf, Chamber 16. Electric Supply: 220 V preferably single phases. 17. Capacity: 150 liters or more 18. Warranty: Minimum 1 years. 19. Unit should be CE or FDA certified 20. The supplier should have good numbers of installation bases in Kolkata. 21. Suppliers' should have good after sales service support in Kolkata with proven track record.	

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F. No. 36-45(53)/13-14/XIIth Plan-Equip/P/ **Item No. : 53**

Name of the Equipment : ICE Flaking Machine **Quantity : 01**

Sr. No.	Detailed Specification
	ICE Flaking Machine Production in 24 hrs : 150 Kgs. Storage : 35 Kgs. Water Content Control Stainless Steel Body Self Standing. Auto Stop & Start. Low Noise. Usable Bin-Built in.

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F. No. 36-45(53)/13-14/XIIth Plan-Equip/P/ **Item No. : 53**

Name of the Equipment : ICE Flaking Machine **Quantity : 01**

Technical Compliance Statement

S. No.	Specification asked for	Specification Offered
1	ICE Flaking Machine Production in 24 hrs : 150 Kgs. Storage : 35 Kgs. Water Content Control Stainless Steel Body Self Standing. Auto Stop & Start. Low Noise. Usable Bin-Built in.	

Note:- Mark (YES) if specification offered is as per tender or better. If not, specify the specification offered.

An item-by-item commentary on the purchaser's Technical Specifications demonstrating substantial responsiveness of the goods and services to those specifications or a statement of deviations and exceptions to the provision of the Technical Specifications.

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F. No. 36-45(54)/13-14/XIIth Plan-Equip/P/ **Item No. : 54**

Name of the Equipment : Water Purification System **Quantity : 01**

Sr. No.	Detailed Specification
	Water Purification System A Compact Water Purification system that provides Pure & Ultrapure grades of water as described below. **Ultrapure Water :-** Resistivity : 18.2 MΩ cm TOC : ~ 5 ppb (µg/l) or less. Bacteria : 1.0 or less cfu / ml Particulates : 0.2 µm < 1 Particulates / ml. Endotoxins : 0.001 or less EU / ml. RNases & DNases : 0.01 or less ng / ml
	Pure Water :- Resistivity : > 5MΩ cm. TOC : Lower than 30 ppb.`
	Production / day for pure & ultrapure water : About 250 liters.

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F. No. 36-45(54)/13-14/XIIth Plan-Equip/P/ **Item No. : 54**

Name of the Equipment : Water Purification System **Quantity : 01**

Technical Compliance Statement

S. No.	Specification asked for	Specification Offered
1	Water Purification System A Compact Water Purification system that provides Pure & Ultrapure grades of water as described below. **Ultrapure Water :-** Resistivity : 18.2 MΩ cm TOC : ~ 5 ppb (µg/l) or less. Bacteria : 1.0 or less cfu / ml Particulates : 0.2 µm < 1 Particulates / ml. Endotoxins : 0.001 or less EU / ml. RNases & DNases : 0.01 or less ng / ml	
	Pure Water :- Resistivity : > 5MΩ cm. TOC : Lower than 30 ppb.`	
	Production / day for pure & ultrapure water : About 250 liters.	

Note:- Mark (YES) if specification offered is as per tender or better. If not, specify the specification offered.

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